

Substitute for Form 1449/A/PTO

MAY 3 7 2004  
U.S. PATENT AND TRADEMARK OFFICEINFORMATION DISCLOSURE  
STATEMENT BY APPLICANT  
(use as many sheets as necessary)

Sheet 1 of 27

		Complete if Known	
Application No.	10/617,150		
Filing Date	07/10/2003		
First Named Inventor	D'Amato		
Group Art Unit	Unassigned		
Examiner Name	Unassigned		
Attorney Docket Number	05213-0924 (43170-287649)		

## U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	U.S. Patent Document Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
(S)	1	2,584,271		Huffman	02/05/1952	
	2	2,846,453		Hoehn	08/05/1958	
	3	3,166,577		Ringold et al.	01/19/1965	
	4	3,410,879		Smith et al.	11/12/1968	
	5	3,470,218		Farah	09/30/1969	
	6	3,492,321		Crabbe	01/27/1970	
	7	3,496,272		Kruger (Identifier only)	02/17/1970	
✓	8	3,562,260		De Ruggieri et al.	02/09/1971	
(S)	9	3,956,348		Hilscher	05/11/1976	
	10	4,172,132		Draper et al.	10/23/1979	
(S)	11	4,212,864		Tax	07/15/1980	
(S)	12	4,307,086		Tax	12/22/1981	
	13	4,322,758		Ward et al.	06/11/1985	
(S)	14	4,552,758		Murphy et al.	11/12/1985	
	15	4,634,705		DeBernardis et al.	01/06/1987	
	16	4,743,597		Javitt et al.	05/10/1988	
	17	4,808,402		Leibovich et al.	02/28/1989	
	18	4,994,443		Folkman et al.	02/19/1991	
✓	19	5,001,116		Folkman et al.	03/19/1991	
(S)	20	5,135,919		Folkman et al.	08/04/1992	
	21	5,604,074		D'Amato et al.	04/02/1996	
	22	5,892,069		D'Amato et al.	04/06/1999	
	23	6,528,676	B1	D'Amato et al.	03/04/2003	

\* references not initialed were already cited by the Examiner on a PTO-892 attached to paper No. 3.

Examiner Signature	Karl Witherpoon	Date Considered	6/30/04

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 27

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## FOREIGN PATENT DOCUMENTS

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		Office <sup>2</sup>	Number <sup>3</sup>				
(S)	24	DE	1907330	Sandoz Ltd. (Identifier only)	10/23/1969		
	25	DE	2 004 516	VEB Jenapharm	09/10/1970		No
	26	DE	27 57 157	Schering AG	12/19/1977		
	27	DE	3625315	Schering A.-G (Identifier only)	01/28/1988		
	28	EPO	0166937	A2	Abbott Laboratories	08/01/1986	
	29	GB	857,080	Syntex S.A.	12/29/1960		
	30	GB	857,081	Syntex S.A.	12/29/1960		
	31	GB	1,570,597	Takeda et al.	07/02/1980		
	32	JP	42-928	B	DAINIPPON PHARM CO LTD (abstract only)	01/18/1967	
	33	JP	39-5480	B	Teikoku Hormone Mfg. Co.	03/25/1961	No
	34	JP	58-131978		Lilly & Co Eli (Eli)	08/06/1983	
	35	JP	63090763	A	Research Development Corp. of Japan (Abstract only)	04/21/1988	
(S)	36	JP	63-119500		Dai Ichi Seiyaku Co Ltd.	05/24/1988	No

Examiner Signature	Satish Welingpoo	Date Considered	6/30/04
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<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached.

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		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
<i>SW</i>	37	JP	41 000100	A	Dainippon Pharmaceutical Co., Ltd. (abstract only)	01/07/1966		
	38	SU	1240038	A1	A MED ONCOLOGY CENTRE (abstract only)	10/27/1996		
	39	WO	87/02367	A3	The Upjohn Company	04/23/1987		
	40	WO	88/08002	A1	The Upjohn Company	10/20/1988		
	41	WO	90/15816	A1	The Upjohn Company	12/27/1990		
	42	WO	93/03729	A1	Research Corporation Technologies, Inc.	03/04/1993		
	43	WO	93/19746	A1	ORION-YH-TYMA OY	10/14/1993		
<i>SW</i>	44	WO	95/04535	A1	The Children's Medical Center Corporation	02/16/1995		

Examiner Signature	<i>Sitakd Wittigsoo</i>	Date Considered	6/20/04
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				Group Art Unit	Unassigned
				Examiner Name	Unassigned
Sheet	4	of	27	Attorney Docket Number	05213-0924 (43170-287649)
<b>OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T <sup>2</sup>
SW	45	Author:	Title: Liloipristone/[1-[4-(Dimethylamino)phenyl]-17-hydroxy-17-(3-hydroxy-1-propenyl)estra-4,9-diene-3-one; AK 98734		
	Publ:	Dictionary of Drugs (1990), Dict. of Steroids (1991), Dict. of Org. Cmpds (6th Ed) (1996), Dict. of Pharm. Agents (1997)			Vol/Iss:
	46	Author:	Title: (paragraphs 583-584)		
		Publ:	The Merck Index 11th Edition		
			Vol/Iss:	Pages: 88	Date: 1989
	47	Author:	Title:		
		Publ:	Research Plus Catalog		
			Vol/Iss:	Pages: 50-58	Date: 1993
	48	Author:	Title: Registry Number: 56933-77-8		
		Publ:	Chemical Abstracts		
			Vol/Iss:	Pages:	Date:
	49	Author:	Title: Registry Number: 56933-78-9		
		Publ:	Chemical Abstracts		
			Vol/Iss:	Pages:	Date:
	50	Author:	Title: Registry Number: 57380-15-1		
		Publ:	Chemical Abstracts		
			Vol/Iss:	Pages:	Date:
SP	51	Author:	Title: Registry Number: 71782-94-0		
	Publ:	Chemical Abstracts			Vol/Iss:
					Date:

Examiner Signature	<i>Stefan Wulffersso</i>	Date Considered	6/30/04
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<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached.

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				Group Art Unit	Unassigned
				Examiner Name	Unassigned
Sheet	5	of	27	Attorney Docket Number	05213-0924 (43170-287649)

#### OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			
<i>SW</i>	52	Author: <u>Chemical Abstracts</u> Publ: <u>Chemical Abstracts</u>	Title: Registry Number: 71782-95-1	Vol/Iss:	Pages: Date:
	53	Author: <u>Chemical Abstracts</u>	Title: Registry Number: 101277-11-6	Vol/Iss:	Pages: Date:
	54	Author: ABOULWAFA et al. Publ: <u>Steroids</u>	Title: Synthesis and evaluation for uterotrophic and antiimplantation activities of 2-substituted estradiol derivatives	Vol/Iss: 57	Pages: 199-204 Date: 04/1992
	55	Author: ADAMS, E.F. et al. Publ: <u>Journal of Endocrinology</u>	Title: Steroidal regulation of oestradiol-17B dehydrogenase activity of the human breast cancer cell line MCF-7 (Chemical Abstracts Doc. No. 109:32325, 1988)	Vol/Iss: 118 (1)	Pages: 149-154 Date: 07/1988
	56	Author: AIZU-YOKOTA et al. Publ: <u>Cancer Research</u>	Title: Natural Estrogens Induce Modulation of Microtubules in Chinese Hamster V79 Cells in Culture	Vol/Iss: 55	Pages: 1863-1868 Date: 05/01/95
	57	Author: ALGIRE, G.H. et al. Publ: <u>Journal of the National Cancer Institute</u>	Title: Vascular reactions of normal and malignant tumors <i>in vivo</i> . I. Vascular reactions of mice to wounds and to normal and neoplastic transplants	Vol/Iss: 6	Pages: 73-85 Date: 08/1945
<i>SW</i>	58	Author: ALIEV et al. Publ: <u>Chemical Abstracts</u>	Title: 54929q Synthesis of cycloalkyl derivatives of dihydric phenols and their ethers	Vol/Iss: 72	Pages: 370 Date: 1970

Examiner Signature	<i>Sukh Wadhawan</i>	Date Considered	6/30/04
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Sheet

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of

27

Complete if Known

Application No. 10/617,150

Filing Date 07/10/2003

First Named Inventor D'Amato

Group Art Unit Unassigned

Examiner Name Unassigned

Attorney Docket Number 05213-0924 (43170-287649)

## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T
SW	59	Author: AUDIER et al.  Publ: <u>Bulletin De La Societe Chimique De France</u>	Title: Orientation de la fragmentation en spectrometrie de masse par introduction de groupements fonctionnels. VII. - Ethylenecetals de ceto-2 steroïdes	Vol/Iss: 10	Pages: 3088-3090 Date: 1965
	60	Author: BANIK et al.  Publ: <u>Steroids</u>	Title: Orally Active Long-Acting Estrogen (AY-20,121) (3-(2-propynyloxy)-estra-1,3,5,(10)-triene-17, beta-ol trimethylacetate) (Identifier only)	Vol/Iss: 16 (3)	Pages: 289-296 Date: 1970
	61	Author: BARDON et al.  Publ: <u>Cancer Research</u>	Title: Steroid Receptor-Mediated Cytotoxicity of an Antiestrogen and an Antiprogestin in Breast Cancer Cells (Abstract only)	Vol/Iss: 47 (5)	Pages: 1441-1448 Date: 03/01/87
	62	Author: BARNES et al.  Publ: <u>Infection and Immunity</u>	Title: Tumor Necrosis Factor Production in Patients with Leprosy	Vol/Iss: 60 (4)	Pages: 1441-1446 Date: 04/1992
	63	Author: BHAT et al.  Publ: <u>Mikroskopie</u>	Title: Estradiol-induced Mitotic Inhibition in the Bursa of Fabricius of Male Domestic Duckling (Chemical Abstracts Doc. No: 98:31837, 1982)	Vol/Iss: 39	Pages: 113-117 Date: 05/1982
↓	64	Author: BINDRA et al.  Publ: <u>Journal of Medicinal Chemistry</u>	Title: Studies in Antifertility Agents. 8. Seco Steroids. 2, 5, 6-Secoestradiol and Some Related Compounds	Vol/Iss: 18 (9)	Pages: 921-925 Date: 1975
SW	65	Author: BLICKENSTAFF et al.  Publ: <u>Cytotoxic Estrogens in Hormone Receptive Tumors</u>	Title: Estrogen-Catharanthus (Vinca) Alkaloid Conjugates (Chemical Abstracts Doc. No: 94:114277, 1981)	Vol/Iss:	Pages: 89-105 Date: 1980

Examiner Signature	<i>Mark Wetherup</i>	Date Considered	6/30/04
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Sheet	7	of	27	Attorney Docket Number	05213-0924 (43170-287649)

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

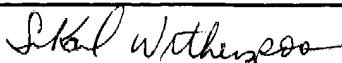
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T <sup>2</sup>
<i>SW</i>	66	Author: BLICKENSTAFF et al.	Title: Synthesis of Some Analogs of Estradiol		
		Publ: Steroids			
			Vol/Iss: 46 (4,5)	Pages: 889-902	Date: 10/1985
	67	Author: BOYCE et al.	Title: Some Preliminary Synthetical Studies with 5,6,7,8-Tetra-hydro-8-methylindane -1,5-dione		
		Publ: Unknown			
			Vol/Iss:	Pages: 4547-4553	Date: 1960
	68	Author: BOYE et al.	Title: 185. Deaminocolchinchinyl Methyl Ether: Synthesis from 2,3,4,4'-Tetramethoxybiphenyl-2-carbaldehyde. Comparison of Antitubulin Effects of Deaminocolchinchinyl Methyl Ether and Dehydro Analogs		
		Publ: <i>Helvetica Chimica Acta</i>			
			Vol/Iss: 72	Pages: 1690-1696	Date: 1989
	69	Author: BRANDI et al.	Title: Bone endothelial cells as estrogen targets (Abstract only)		
		Publ: <i>Calcif. Tissue Int.</i>			
			Vol/Iss: 53 (5)	Pages: 312-317	Date: 1993
	70	Author: BREM, H. et al.	Title: Interstitial chemotherapy with drug polymer implants for the treatment of recurrent gliomas		
		Publ: <i>Journal of Neurosurgery</i>			
			Vol/Iss: 74	Pages: 441-446	Date: 03/01/91
	71	Author: BROCKWAY, W. J. et al.	Title: Measurement of the Binding of Antifibrinolytic Amino Acids to Various Plasminogen		
		Publ: <i>Archives of Biochemistry and Biophysics</i>			
			Vol/Iss: 151	Pages: 194-199	Date: 04/18/72
<i>SW</i>	72	Author: BROSENS et al.	Title: Comparative Study of the Estrogenic Effect of Ethinylestradiol and Mestranol on the Endometrium		
		Publ: <i>Laboratory for Gynecological Physiopathology</i>			
			Vol/Iss: 14 (6)	Pages: 679-685	Date: 12/01/76

Examiner Signature	<i>Susan Wiltberger</i>	Date Considered	<i>6/30/04</i>
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	73	Author: BROWNE  Publ: <i>Fibrinolysis</i>	Title: Expression of Recombinant Human Plasminogen and Aglycoplasminogen in HeLa cells  Vol/Iss: 5      Pages: 257-260      Date: 04/13/91		
	74	Author: CAMBIE et al.  Publ: <i>Journal of the Chemical Society</i>	Title: Aromatic Steroids. Part II. Chromium Trioxide Oxidation of Some Oestra-1,3,5(10)-trienes  Vol/Iss: 9      Pages: 1234-1240      Date: 1969		
	75	Author: CAMBIE et al.  Publ: <i>J. Chem. Soc.</i>	Title: Aromatic Steroids. Part I. Oxidation Products of 3-Methoxyestra-1,3,5(10)-triene- 17 $\beta$ -yl Acetate  Vol/Iss:      Pages: 2603-2608      Date: 1968		
	76	Author: CASTAGNETTA, L. et al.  Publ: <i>Journal of Chromatography</i>	Title: Simple Approach to Measure Metabolic Pathways of Steroids in Living Cells  Vol/Iss: 572      Pages: 25-39      Date: 12/06/91		
	77	Author: CHASSEROT-GOLAZ et al.  Publ: <i>Biochemical Pharmacology</i>	Title: Biotransformation of 17 $\beta$ -hydroxy-11 $\beta$ -(4-dimethylaminophenyl) 17 $\alpha$ -1-propynyl-estra-4,9-diene-3-one (RU486) in Rat Hepatoma Variants (Identifier only)  Vol/Iss: 46 (11)      Pages: 2100-2103      Date: 1993		
	78	Author: CHEN et al.  Publ: <i>Steroids</i>	Title: A New Synthetic Route to 2- and 4-Methoxyestadiols by Nucleophilic Substitution  Vol/Iss: 47 (1)      Pages: 63-66      Date: 01/1986		
	79	Author: CHEN et al.  Publ: <i>Nanjing Yaoxueyuan Xuebao</i>	Title: Synthesis of 11 $\beta$ -(4-dimethylaminophenyl)-17 $\beta$ -hydroxy-17 $\alpha$ -(1-propynyl) estra-4, 9-dien-3-one (RU486) (Identifier only)  Vol/Iss: 17 (4)      Pages: 282-285      Date: 1986		

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<i>Sw</i>	80	Author: COHEN et al. Title: Novel Total Synthesis of (+)-Estrone 3-Methyl Ether, (+)-13 $\beta$ Ethyl-3-methoxygona-1,3,5(10)-trien-17-one, and (+)-Equilenin 3-Methyl Ether Publ: <u>The Journal of Organic Chemistry</u>  Vol/Iss: 40 (6) Pages: 681-685 Date: 03/21/75	
	81	Author: COLLINS et al. Title: The Structure and Function of Estrogens. XI. Synthesis of (+/-)-7(8-11 $\alpha$ )- <i>abeo</i> -Estradiol and its 9,11-Dihydro Derivative Publ: <u>Aust. Journal of Chemistry</u>  Vol/Iss: 45 (1) Pages: 71-97 Date: 1992	
	82	Author: COREY et al. Title: Applications of N,N-Dimethylhydrazones to Synthesis. Use in Efficient, Positionally and Stereochemically Selective C-C Bond Formation; Oxidative Hydrolysis to Carbonyl Compounds Publ: <u>Tetrahedron Letters</u>  Vol/Iss: 1 Pages: 3-6 Date: 1976	
	83	Author: COREY et al. Title: Facile Conversion of N,N-Dimethylhydrazones to Carbonyl Compounds by Cupric Ion-Catalyzed Hydrolysis Publ: <u>Tetrahedron Letters</u>  Vol/Iss: 41 Pages: 36678-3668 Date: 1976	
	84	Author: CRABBE, P. Title: Cotton effect of the styrene chromophore (Abstract only) Publ: <u>Chem. Ind.</u>  Vol/Iss: 27 Pages: 917-918 Date: 1969	
<i>Sw</i>	85	Author: CRUM, R. et al. Title: A New Class of Steroids Inhibits Angiogenesis in the Presence of Heparin or a Heparin Fragment Publ: <u>Science</u>  Vol/Iss: 230 Pages: 1375-1378 Date: 12/20/85	
<i>Sw</i>	86	Author: DURANI et al. Title: Seco-Oestradiols and Some Non-Steroidal Oestrogens: Structural Correlates of Oestrogenic Action Publ: <u>Journal of Steroid Biochemistry</u>  Vol/Iss: 11 Pages: 67-77 Date: 1979	

Examiner Signature	<i>Mark Witherspoon</i>	Date Considered	6/30/04
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<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached.

<p>Substitute for Form 1449/A/PTO</p> <p><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)</p>				Complete if Known	
				Application No.	
				10/617,150	
				Filing Date	
				07/10/2003	
				First Named Inventor	
D'Amato					
Group Art Unit					
Unassigned					
Examiner Name					
Unassigned					
Sheet	10	of	27	Attorney Docket Number	05213-0924 (43170-287649)
<b>OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T <sup>2</sup>
<i>SW</i>	87	Author: DVIR et al.	Title: Thin-layer Chromatography of DANSYL-oestrogens		
		Publ: <u>Journal of Chromatography</u>	Vol/iss: 52	Pages: 505-506	Date: 11/04/70
	88	Author: EDER et al.	Title: Synthese von Ostradiol (in German - No translation available)		
		Publ: <u>Chem. Ber.</u>	Vol/iss: 109	Pages: 2948-2953	Date: 1976
	89	Author: EMONS et al.	Title: Modulation der hypophysaren Sekretion von Luteinisierendem Hormon (LH) durch Oestogene		
		Publ: <u>FOCUS MHL</u>	Vol/iss: 3	Pages: 221-228	Date: 1986
	90	Author: EPE et al.	Title: Microtubular Proteins as Cellular Targets for Carcinogenic Estrogens and Other Carcinogens		
		Publ: <u>Mechanisms of Chromosome Distribution and Aneuploidy</u>	Vol/iss:	Pages: 345-351	Date: 1989
	91	Author: EVANS et al.	Title: A Convergent Total Synthesis of +/- Colchicine and +/- Desacetamidoisocolchicine		
		Publ: <u>Journal of the American Chemical Society</u>	Vol/iss: 103	Pages: 5813-5821	Date: 09/23/81
<i>↓</i>	92	Author: FANCHENKO et al.	Title: Characteristics of the guinea pig uterus estrogen receptor system (Abstract only)		
		Publ: <u>Byull. Eksp. Biol. Med.</u>	Vol/iss: 85 (4)	Pages: 467-470	Date: 1978
<i>SW</i>	93	Author: FETIZON et al.	Title: Synthesis of 2-keto steroids (Abstract only)		
		Publ: <u>Bull. Soc. Chim. FR.</u>	Vol/iss: 8	Pages: 3301-3306	Date: 1968

Examiner Signature	<i>Skarf Wetherupson</i>	Date Considered	<i>6/30/04</i>
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<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached.

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Sheet <b>11</b> of <b>27</b>				Application No.	10/617,150	
				Filing Date	07/10/2003	
				First Named Inventor	D'Amato	
				Group Art Unit	Unassigned	
				Examiner Name	Unassigned	
				Attorney Docket Number		05213-0924 (43170-287649)

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T <sup>2</sup>
<i>SW</i>	94	Author: FEVIG et al.  Publ: <u>Journal of Organic Chemistry</u>	Title: A Short, Stereoselective Route to 16 $\alpha$ -(Substituted-alkyl)estradiol Derivatives		
			Vol/Iss: 52	Pages: 247-251	Date: 1987
	95	Author: FIELD et al.  Publ: <u>Nature</u>	Title: Effect of Thalidomide on the Graft versus Host Reaction		
			Vol/Iss: 211 (5055)	Pages: 1308-1310	Date: 09/17/86
	96	Author: FIESER et al.  Publ: <u>Organic Synthesis Collective Volume 3</u>	Title: N-Methylformanilide		
			Vol/Iss: 3	Pages: 590-591	Date: 1955
	97	Author: FITZGERALD  Publ: <u>Biochemical Pharmacology</u>	Title: Molecular Features of Colchicine Associated with Antimitotic Activity and Inhibition of Tubulin Polymerization		
			Vol/Iss: 25 (12)	Pages: 1383-1387	Date: 06/15/76
	98	Author: FLOHE et al.  Publ: <u>Arzneimittelforschung (Germany West)</u>	Title: Studies on the Hypothetical Relationship of Thalidomide-induced Embryopathy and Collagen Biosynthesis		
			Vol/Iss: 31 (2)	Pages: 315-320	Date: 01/01/81
	99	Author: FOLKMAN et al.  Publ: <u>Science</u>	Title: Angiogenesis Inhibition and Tumor Regression Caused by Heparin or a Heparin Fragment in the Presence of Cortisone		
			Vol/Iss: 221	Pages: 719-725	Date: 08/19/83
<i>SW</i>	100	Author: FOLKMAN, J.  Publ: <u>New England Journal of Medicine</u>	Title: Tumor Angiogenesis: Therapeutic Implications		
			Vol/Iss: 285 (21)	Pages: 1182-1186	Date: 11/18/71

Examiner Signature	<i>Skylar Wittenberg</i>	Date Considered	6/30/04
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<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached.

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	12	of	27	Attorney Docket Number	05213-0924 (43170-287649)
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Complete if Known

Application No.	10/617,150
Filing Date	07/10/2003
First Named Inventor	D'Amato
Group Art Unit	Unassigned
Examiner Name	Unassigned

## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T
(SW)	101	Author: FOLKMAN, J. et al.  Publ: <u>Nature</u>	Title: Induction of Angiogenesis During the Transition from Hyperplasia to Neoplasia  Vol/Iss: 339	Pages: 58-61	Date: 05/04/89
	102	Author: FOLKMAN, J. et al.  Publ: <u>Annals of Surgery</u>	Title: Tumor Behavior in Isolated Perfused Organs in vitro Growth and Metastases of Biopsy Material in Rabbit Thyroid and Canine Intestinal Segment  Vol/Iss: 164(3)	Pages: 491-502	Date: 09/01/66
	103	Author: GANDHI et al.  Publ: <u>Journal of Indian Chem. Soc.</u>	Title: Mannich Reaction of Estrone  Vol/Iss: 39	Pages: 306-308	Date: 1962
	104	Author: GASLINI et al.  Publ: <u>Journal of Organic Chemistry</u>	Title: Reaction of Eugenol with Synthesis Gas. Synthesis of 5,6,7,8-Tetrahydro-3-methoxy-2-naphthol  Vol/Iss: 29 (5)	Pages: 1177-1180	Date: 05/1964
	105	Author: GETAHUN et al.  Publ: <u>Journal of Medicinal Chemistry</u>	Title: Synthesis of Alkoxy-Substituted Diaryl Compounds and Correlation of Ring Separation with Inhibition of Tubulin Polymerization: Differential Enhancement of Inhibitory Effects Under Suboptimal Polymerization Reaction Conditions  Vol/Iss: 35 (6)	Pages: 1058-1067	Date: 03/20/92
↓	106	Author: GIMBRONE, M.A. et al.  Publ: <u>Journal of the National Cancer Institute</u>	Title: Tumor Growth and Neovascularization: An Experimental Model Using the Rabbit Cornea  Vol/Iss: 52(2)	Pages: 413-427	Date: 02/74
(SW)	107	Author: GIMBRONE, M.A. et al.  Publ: <u>Journal of Experimental Medicine</u>	Title: Tumor dormancy <i>in vivo</i> by Prevention of Neovascularization  Vol/Iss: 136	Pages: 261-276	Date: 1972

Examiner Signature	<i>Susan Withington</i>	Date Considered	6/30/04
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INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT  
(use as many sheets as necessary)

Sheet

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of

27

Complete if Known

Application No.	10/617,150
Filing Date	07/10/2003
First Named Inventor	D'Amato
Group Art Unit	Unassigned
Examiner Name	Unassigned

Attorney Docket Number 05213-0924 (43170-287649)

## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
<i>sw</i>	108	Author: GONZALEZ et al. Title: Synthesis and Pharmacological Evaluation of $\delta\alpha$ -Estradiol Derivatives  Publ: <u>Steroids</u>  Vol/Iss: 40 (2) Pages: 171-187 Date: 9/1982	
	109	Author: GROSS et al. Title: Inhibition of Tumor Growth, Vascularization, and Collagenolysis in the Rabbit Cornea by Medroxyprogesterone  Publ: <u>Proceedings of the National Academy of Science USA</u>  Vol/Iss: 78 (2) Pages: 1176-1180 Date: 02/1981	
	110	Author: GROSS, J.L. et al. Title: Modulation of Solid Tumor Growth in vivo by bFGF (Abstract only)  Publ: <u>Proceedings of the American Association of Cancer Research</u>  Vol/Iss: 31 Pages: 79 Date: 03/90	
	111	Author: GUNZLER, V. Title: Thalidomide-A Therapy for the Immunological Consequences of HIV Infection?  Publ: <u>Medical Hypothesis</u>  Vol/Iss: 30 (2) Pages: 105-109 Date: 10/89	
	112	Author: GUPTA et al. Title: Antifertility Agents. XIV. Secosteroids. VII. Synthesis of $2\alpha$ and $2\beta$ , $6\beta$ -dimethyl- $3\beta$ -( $p$ -hydroxyphenyl)-trans-bicyclo[4.3.0]nonan-7-ones and some related compounds (Abstract only)  Publ: <u>Indian Journal of Chemistry</u>  Vol/Iss: 13 (7) Pages: 759-760 Date: 1975	
<i>sw</i>	113	Author: GUPTA et al. Title: Studies in Antifertility Agents. Part XVIII. $2\alpha$ Diethyl- $3\beta$ -( $p$ -hydroxyphenyl)-trans-bicyclo[4.3.0]nonan-7 $\beta$ -ol and $6\beta$ -methyl- $3\beta$ -( $p$ -hydroxyphenyl)- $2\alpha$ -propyl- trans-bicyclo[4.3.0]nonan-7 $\beta$ -ol (Abstract only)  Publ: <u>Indian Journal of Chemistry</u>  Vol/Iss: 19B (10) Pages: 886-890 Date: 1980	
<i>sw</i>	114	Author: GUTIERREZ-RODRIGUEZ et al. Title: Treatment of Refractory Rheumatoid Arthritis - The Thalidomide Experience  Publ: <u>The Journal of Rheumatology</u>  Vol/Iss: 16 (2) Pages: 158-163 Date: 02/89	

Examiner Signature	<i>Sikar Wotkyns</i>	Date Considered	<i>6/30/04</i>
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				Application No.	10/617,150
				Filing Date	07/10/2003
				First Named Inventor	D'Amato
				Group Art Unit	Unassigned
				Examiner Name	Unassigned
Sheet	14	of	27	Attorney Docket Number	05213-0924 (43170-287649)
<b>OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS</b>					
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(S)	115	Author: GUTIERREZ-RODRIGUEZ, Title: Thalidomide - A Promising New Treatment for Rheumatoid Arthritis O. Publ: <u>Arthritis and Rheumatism</u>			
		Vol/Iss: 27 (10)	Pages: 1118-1121	Date: 10/84	
	116	Author: HAHNEL et al. Title: The Specificity of the Estrogen Receptor of Human Uterus Publ: <u>Journal of Steroid Biochemistry</u>			
		Vol/Iss: 4	Pages: 21-31	Date: 1973	
	117	Author: HANDLEY et al. Title: Chronic bullous disease of childhood and ulcerative colitis Publ: <u>British Journal of Dermatology</u>			
		Vol/Iss: 127 (40)	Pages: 67-68	Date: 07/01/92	
	118	Author: HARTLEY-ASP et al. Title: Diethylstilbestrol Induces Metaphase Arrest and Inhibits Microtubule Assembly Publ: <u>Mutation Research</u>			
		Vol/Iss: 143 (4)	Pages: 231-235	Date: 08/1985	
	119	Author: HENRY et al. Title: Thalidomide treatment for chronic graft-versus-host disease Publ: <u>British Journal of Haematology</u>			
		Vol/Iss: 78 (1)	Pages: 23-27	Date: 05/91	
	120	Author: HOLKER et al. Title: The Reactions of Estrogens with Benzeneseleninic Anhydride and Hexamethyldisilazane Publ: <u>J. Chem. Soc. Perkin Trans.</u>			
		Vol/Iss: 1	Pages: 1915-1918	Date: 1982	
(S)	121	Author: Hori, A. et al. Title: Suppression of Solid Tumor Growth by Immunoneutralizing Monoclonal Antibody Against Human Basic Fibroblasts Growth Factor Publ: <u>Cancer Research</u>			
		Vol/Iss: 51	Pages: 6180-6184	Date: 11/15/91	

Examiner Signature	<i>Sibel Woldgesen</i>	Date Considered	6/30/04
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<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached.

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				Application No.	
				10/617,150	
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				07/10/2003	
				First Named Inventor	
D'Amato					
Group Art Unit					
Unassigned					
Examiner Name					
Unassigned					
Sheet	15	of	27	Attorney Docket Number	05213-0924 (43170-287649)
<b>OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T <sup>2</sup>
(SW)	122	Author: HUBER et al.	Title: Tubulin Binding of Conformationally Restricted Bis-Aryl Compounds		
		Publ: <u>Bioorganic &amp; Medicinal Chemistry Letters</u>	Vol/Iss: 1 (5)	Pages: 243-246	Date: 1991
	123	Author: IMAMURA et al.	Title: Method for Manufacture of Dihydric Phenols (Abstract only)		
		Publ: <u>USPATFULL 76:20259 US 3,950,437</u>	Vol/Iss:	Pages:	Date: 04/13/1976
	124	Author: INGBER, D. et al.	Title: Synthetic analogues of fumagillin that inhibit angiogenesis and suppress tumor growth		
		Publ: <u>Nature</u>	Vol/Iss: 348	Pages: 555-557	Date: 12/06/90
	125	Author: IRIARTE et al.	Title: Steroids (XCIV). Synthesis of 2-methyl and 1,2-dimethyl estrogens (Abstract only)		
		Publ: <u>Tetrahedron</u>	Vol/Iss: 3	Pages: 28-36	Date: 1958
	126	Author: JHINGRAN et al.	Title: Studies in Antifertility Agents - Part XLI: Secosteroids-x: Syntheses of Various Stereoisomers of (+)-2,6β-diethyl-7α-ethynyl-3-(p-hydroxyphenyl)-trans-bicyclo [4.3.0]nonan-7β-ol.		
		Publ: <u>Steroids</u>	Vol/Iss: 42 (6)	Pages: 627-634	Date: 1983
	127	Author: KABARIYI et al.	Title: Further Investigations on the cytological effects of some contraceptives		
		Publ: <u>Mutation Research</u>	Vol/Iss: 135	Pages: 181-188	Date: 1984
	128	Author: KARWAT	Title: Separation and Recovery of Hydrogen Sulfide from Hydrocarbon Mixture		
(SW)		Publ: <u>Caplus DE 1103310</u>	Vol/Iss:	Pages:	Date: 09/02/1959

Examiner Signature	<i>Sitak Walther</i>	Date Considered	6/30/04
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<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached.

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

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of

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Complete if Known

Application No.	10/617,150
Filing Date	07/10/2003
First Named Inventor	D'Amato
Group Art Unit	Unassigned
Examiner Name	Unassigned

Attorney Docket Number

05213-0924 (43170-287649)

## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

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(SW)	129	Author: KELLY et al. Publ: <u>Journal of Clinical Endocrinology Metabolism</u>	Title: The Stimulation of Prostaglandin Production by Two Antiprogestrone Steroids in Human Endometrial Cells (Abstract only)		
	130	Author: KIM, K.J. et al. Publ: <u>Nature</u>	Title: Inhibition of Vascular Endothelial Growth Factor-induced Angiogenesis Suppresses Tumor Growth In Vivo	Vol/Iss: 62 (6)	Pages: 1116-1123 Date: 06/1986
	131	Author: KNIGHTON, D. et al. Publ: <u>British Journal of Cancer</u>	Title: Avascular and Vascular Phases of Tumour Growth in the Chick Embryo	Vol/Iss: 362	Pages: 841-844 Date: 04/29/93
	132	Author: KOLE et al. Publ: <u>Journal of Medicinal Chemistry</u>	Title: Studies in Antifertility Agents. 11. Secosteroids. 5. Synthesis of 9,11-Secoestradiol	Vol/Iss: 18 (7)	Pages: 765-766 Date: 1975
	133	Author: KOVACS et al. Publ: <u>Acta Phys.Chem.</u>	Title: Steroids. XXIII. Synthesis of 2- and 4-hydroxy and 2,4-dihydroxy derivatives of estrone and estradiol (Abstract only)	Vol/Iss: 19 (3)	Pages: 287-290 Date: 1973
Y	134	Author: LEWIS, Richard J. Publ: <u>Hawley's Condensed Chemical Dictionary</u>	Title:	Vol/Iss:	Pages: 577 Date: 01/1993
(SW)	135	Author: LEWIS, Richard J. Publ: <u>Hawley's Condensed Chemical Dictionary</u>	Title:	Vol/Iss:	Pages: 128-129 Date: 01/1993

Examiner Signature	<i>Stuart W. Wilhite, Jr.</i>	Date Considered	6/30/04
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<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached.

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				Filing Date	07/10/2003
				First Named Inventor	D'Amato
				Group Art Unit	Unassigned
				Examiner Name	Unassigned
Sheet	17	of	27	Attorney Docket Number	05213-0924 (43170-287649)

## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T <sup>2</sup>	
(SW)	136	Author: LI, J., et al.  Publ: <u>CAPLUS: Molecular Pharmacology</u>	Title: (DN 103:65176) Catechol Formation of Fluoro- and Bromo-substituted Estradiols by Hamster Liver Microsomes. Evidence for Dehalogenation. (Abstract only)	Vol/Iss: 27 (5)	Pages: 559-565	Date: 1985
	137	Author: LICHTENAUER et al.  Publ: <u>Deutsches medizinisches Journal</u>	Title: Zur Behandlung des Prostata-Karzinoms	Vol/Iss: 23	Pages: 248-249	Date: 01/1972
	138	Author: LIEN, W. et al.  Publ: <u>Surgery</u>	Title: The blood supply of experimental liver metastases. II. A Microcirculatory study of the normal and tumor vessels of the liver with the use of perfused silicone rubber	Vol/Iss: 68 (2)	Pages: 334-340	Date: 08/1970
	139	Author: LIMANTSEV et al.  Publ: <u>Akush Jinekol.</u>	Title: Effect of some estrogen structural analogs on the development of the mouse embryo (Abstract only)	Vol/Iss: 6	Pages: 55-56	Date: 1982
	140	Author: LIN et al.  Publ: <u>Molecular Pharmacology</u>	Title: Interactions of Tubulin with Potent Natural and Synthetic Analogs of the Antimitotic Agent Combretastatin: A Structure-Activity Study	Vol/Iss: 34 (2)	Pages: 200-208	Date: 08/1988
	141	Author: LINCOLN et al.  Publ: <u>Biochemistry</u>	Title: Conformation of Thiocolchicine and Two B-Ring-Modified Analogues Bound to Tubulin Studied with Optical Spectroscopy	Vol/Iss: 30 (5)	Pages: 1179-1187	Date: 02/05/91
(SW)	142	Author: LIU et al.  Publ: <u>Tetrahedron Letters</u>	Title: Total Synthesis of (+-) - $\Delta^{9(12)}$ Capnellene	Vol/Iss: 26 (40)	Pages: 4847-4850	Date: 1985

Examiner Signature	S. Wittenberg	Date Considered	7/6/04
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<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached.

<p>Substitute for Form 1449/A/PTO</p> <p><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)</p>				Complete if Known	
				Application No.	10/617,150
				Filing Date	07/10/2003
				First Named Inventor	D'Amato
				Group Art Unit	Unassigned
				Examiner Name	Unassigned
Sheet	18	of	27	Attorney Docket Number	05213-0924 (43170-287649)

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T <sup>2</sup>
<i>SW</i>	143	Author: LOOZEN et al.  Publ: Recl.: J.R. Neth.Chem. Soc.	Title: An approach to the synthesis of 7.β-amino estrogens (Abstract only)		
			Vol/Iss: 102 (10)	Pages: 433-437	Date: 1983
	144	Author: LOTTERING et al.  Publ: Cancer Research	Title: Effects of the 17β-Estradiol Metabolites on Cell Cycle Events in MCF-7 Cells (Chemical Abstracts Doc. No: 117:245769, 1992)		
			Vol/Iss: 52	Pages: 5926-5932	Date: 11/01/92
	145	Author: LUO et al.  Publ: Chemical Abstracts	Title: Effect of Components of Growth Ether Copper(I)Iodide Mixed Catalyst on Nucleophilic Substitution of Bromoestrogen (Abstract No. 195225)		
			Vol/Iss: 111 (21)	Pages: 818, Column 1	Date: 11/20/89
	146	Author: MARO et al.  Publ: Journal of Embryology and Experimental Morphology	Title: Mechanism of Polar Body Formation in the Mouse Oocyte: An Interaction Between the Chromosomes, the Cytoskeleton and the Plasma Membrane		
			Vol/Iss: 92	Pages: 11-32	Date: 1986
	147	Author: MAYOL et al.  Publ: Carcinogenesis	Title: Ethynodiol-Induced Cell Proliferation in Rat Liver Involvement of Specific Populations of Hepatocytes (Abstract only)		
			Vol/Iss: 13 (12)	Pages: 2381-2388	Date: 1992
	148	Author: MICHEL et al.  Publ: Biochem. Pharmacol.	Title: Inhibition of synaptosomal high-affinity uptake of dopamine and serotonin by estrogen agonists and antagonists (Abstract only)		
			Vol/Iss: 36 (19)	Pages: 3175-3180	Date: 1987
<i>SW</i>	149	Author: MORGAN et al.  Publ: Biochemical and Biophysical Research Communications	Title: Calcium and Oestrogen Interactions upon the Rat Thymic Lymphocyte Plasma Membrane (Chemical Abstracts Doc. No: 85:172052, 1976)		
			Vol/Iss: 72 (2)	Pages: 663-672	Date: 09/20/76

Examiner Signature	<i>J. Wetherup</i>	Date Considered	7/6/04
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
(use as many sheets as necessary)

Sheet

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of

27

Complete if Known

Application No. 10/617,150

Filing Date 07/10/2003

First Named Inventor D'Amato

Group Art Unit Unassigned

Examiner Name Unassigned

Attorney Docket Number 05213-0924 (43170-287649)

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

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(S)	150	Author: MORISAKI et al. Title: Steroids. I. Aromatization reaction of the cross-conjugated dienone system by Zinc 9. (Abstract only)  Publ: <u>Chem. Pharm. Bull.</u>	Vol/Iss: 14 (8)	Pages: 866-872	Date: 1966
	151	Author: NAAFS et al. Title: Thalidomide Therapy An Open Trial  Publ: <u>International Journal of Dermatology</u>	Vol/Iss: 24 (2)	Pages: 131-134	Date: 03/1985
	152	Author: NAKAMURA et al. Title: Studies on the Total Synthesis of <i>Δ</i> Colchicine. I. Synthesis of 3-Hydroxy-9, 10, 11-trimethoxy-1,2,3,4,6,7-hexahydro-5 <i>H</i> -dibenzo[a,c] cycloheptatrien-5-one  Publ: <u>Chemical and Pharmaceutical Bulletin</u>	Vol/Iss: 10	Pages: 281-290	Date: 1962
	153	Author: NAMBARA et al. Title: Studies on Steroid Conjugates. III. New Synthesis of 2-Methoxycstrogens  Publ: <u>Chem. Pharm. Bulletin</u>	Vol/Iss: 18 (3)	Pages: 474-480	Date: 03/1970
	154	Author: NAMBARA et al. Title: Microbial transformation products derived from steriods. I. Synthesis of 1,2- and 3-dimethoxy-4-methylestratrienes (Abstract only)  Publ: <u>Chem. Pharm. Bull.</u>	Vol/Iss: 20 (2)	Pages: 336-342	Date: 1972
	155	Author: NAMBARA et al. Title: Synthesis of 16 $\beta$ -Oxygenated Catechol Estrogen Methyl Ethers, New and Potential Metabolites  Publ: <u>Chemical &amp; Pharmaceutical Bulletin</u>	Vol/Iss: 23 (7)	Pages: 1613-1616	Date: 07/1975
(S)	156	Author: NAMBARA, T., et al. Title: DN 82:43650; Analytical Chemical Studies on Steroids. LXXIII. Synthesis of Epimeric 2-Hydroxy-16-Cholestrostrong Monomethyl Ethers (Abstract only)  Publ: <u>HCAPLUS-Chemical and Pharmaceutical Bulletin</u>	Vol/Iss: 22 (10)	Pages: 2455-2457	Date: 1974

Examiner Signature	<i>S. Karl Wittenberg</i>	Date Considered	7/1/04
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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 20 of 27

Complete if Known

Application No.	10/617,150
Filing Date	07/10/2003
First Named Inventor	D'Amato
Group Art Unit	Unassigned
Examiner Name	Unassigned

Attorney Docket Number 05213-0924 (43170-287649)

## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

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(SW)	157	Author: NEWKOME et al.  Publ: <u>Journal of Organic Chemistry</u>	Title: Synthesis of Simple Hydrazones of Carbonyl Compounds by an Exchange Reaction		
			Vol/Iss: 31	Pages: 677-681	Date: 03/1966
	158	Author: NGUYEN, M. et al.  Publ: <u>Journal of the National Cancer Institute</u>	Title: Elevated Levels of the Angiogenic Peptide Basic Fibroblast Growth Factor in Urine of Bladder Cancer Patients		
			Vol/Iss: 85 (3)	Pages: 241-242	Date: 02/03/93
	159	Author: NUMAZAWA et al.  Publ: <u>Journal of the Chemical Society</u>	Title: Efficient Synthesis of 2-Methoxy- and 4-Methoxy-Estrogens		
			Vol/Iss:	Pages: 533-534	Date: 01/01/83
	160	Author: NUMAZAWA et al.  Publ: <u>Steroids</u>	Title: Novel and Regiospecific Synthesis of 2-Amino Estrogens via Zincke Nitration		
			Vol/Iss: 41 (5)	Pages: 675-682	Date: 1983
	161	Author: OCHS et al.  Publ: <u>Cancer Research</u>	Title: Effect of Tumor Promoting Contraceptive Steroids on Growth and Drug Metabolizing Enzymes in Rat Liver (Abstract only)		
			Vol/Iss: 46 (3)	Pages: 1224-1232	Date: 1986
	162	Author: OPPOLZER et al.  Publ: <u>Helvetica Chimica Acta</u>	Title: 177. The Enantioselective Synthesis of (+)-Estradiol from 1,3-Dihydrobenzo[e]thiophene-2,2-dioxide by Successive Thermal SO <sub>2</sub> -Extrusion and Cycloaddition Reactions		
			Vol/Iss: 63	Pages: 1703-1705	Date: 1980
(SW)	163	Author: PAULL et al.  Publ: <u>Cancer Research</u>	Title: Identification of Novel Antimitotic Agents Acting at the Tubulin Level by Computer-assisted Evaluation of Differential Cytotoxicity Data		
			Vol/Iss: 52 (14)	Pages: 3892-3900	Date: 07/15/92

Examiner Signature	<i>Karl Witherup</i>	Date Considered	7/7/04
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<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached.

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				Application No.	10/617,150
				Filing Date	07/10/2003
				First Named Inventor	D'Amato
				Group Art Unit	Unassigned
				Examiner Name	Unassigned
Sheet	21	of	27	Attorney Docket Number	05213-0924 (43170-287649)
<b>OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T <sup>2</sup>
SW	164	Author: PERT et al.	Title: Preparations of 2,4-disubstituted estradiols (Abstract only)		
	Publ: <u>Australian Journal of Chemistry</u>	Vol/Iss: 42 (3)	Pages: 421-432	Date: 1989	
	165	Author: PETERS et al.	Title: 17-Desoxy Estrogen Analogues		
		Publ: <u>Journal of Medicinal Chemistry</u>	Vol/Iss: 32 (7)	Pages: 1642-1652	Date: 1989
	166	Author: PFEIFFER et al.	Title: Are catechol estrogens obligatory mediators of estrogen action in the central nervous system? I. Characterization of pharmacological probes with different receptor binding affinities and catechol estrogen formation rates (Abstract only)		
		Publ: <u>Journal of Endocrinology</u>	Vol/Iss: 110 (3)	Pages: 489-497	Date: 1986
	167	Author: POLI et al.	Title: Tumor Necrosis Factor $\alpha$ Functions in an Autocrine Manner in the Induction of Human Immunodeficiency Virus Expression		
		Publ: <u>Proceedings of the National Academy of Science USA</u>	Vol/Iss: 87 (2)	Pages: 782-785	Date: 01/1990
	168	Author: POWELL et al.	Title: Investigation and Treatment of Orogenital Ulceration; studies on a Possible Mode of Action of Thalidomide		
		Publ: <u>British Journal of Dermatology</u>	Vol/Iss: 113 Supp. 28	Pages: 141-144	Date: 07/1985
↓	169	Author: RAO et al.	Title: Structural Specificity of Estrogens in the Induction of Mitotic Chromatid Non-Disjunction in HeLa Cells		
		Publ: <u>Experimental Cell Research</u>	Vol/Iss: 48	Pages: 71-81	Date: 1967
SW	170	Author: RAO et al.	Title: A Novel, Two-Step Synthesis of 2-Methoxyestradiol		
		Publ: <u>Synthesis</u>	Vol/Iss:	Pages: 168-169	Date: 03/01/77

Examiner Signature	<i>Stuart Wetherup</i>	Date Considered	7/7/04
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)				Application No.	10/617,150
Sheet	22	of	27	Filing Date	07/10/2003
				First Named Inventor	D'Amato
				Group Art Unit	Unassigned
				Examiner Name	Unassigned
				Attorney Docket Number	05213-0924 (43170-287649)

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

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<i>SW</i>	171	Author: RAVINDRA, R.  Publ: <u>Journal of Indian Institute of Science</u>	Title: Effect of Estradiol on the <i>in vitro</i> Assembly of Rat Brain Tubulin		
	172	Author: ROMANELLI et al.  Publ: <u>Organic Synthesis</u>	Title: Ethyl- <i>p</i> -Dimethylaminophenylacetate	Vol/Iss: 64 (3)	Pages: 27-35 Date: 03/1983
	173	Author: SAKAKIBARA et al.  Publ: <u>Mutation Research</u>	Title: Effects of Diethylstilbestrol and its Methyl Ethers on Aneuploidy Induction and Microtubule Distribution in Chinese Hamster V79 cells	Vol/Iss: 263 (4)	Pages: 269-276 Date: 08/1991
	174	Author: SAKAKIBARA, KYOICHI  Publ: <u>Chemical Abstracts</u>	Title: 2-Hydroxy-1,3,5(10)-estratriene derivatives (Abstract only) (Identifier: XP-002186126)	Vol/Iss: 60(1)	Pages: Date: 01/06/64
	175	Author: SATO et al.  Publ: <u>Chemical and Pharmaceutical Bulletin</u>	Title: Effect of Estradiol and Ethynodiol on Microtubule Distribution in Chinese Hamster V79 Cells	Vol/Iss: 40 (1)	Pages: 182-184 Date: 01/1992
<i>SW</i>	176	Author: SATO et al.  Publ: <u>Gann</u>	Title: Disruptive Effect of Diethylstilbestrol on Microtubules	Vol/Iss: 75 (12)	Pages: 1046-1048 Date: 12/1984
<i>SW</i>	177	Author: SAWADA et al.  Publ: <u>Mutation Research</u>	Title: Colchicine-Like Effect of Diethylstilbestrol (DES) on Mammalian Cells in Vitro	Vol/Iss: 57	Pages: 175-182 Date: 05/1978

Examiner Signature	<i>S. Karl Wetherupson</i>	Date Considered	<i>7/1/04</i>
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Sheet

23 of 27

Complete if Known

Application No.	10/617,150
Filing Date	07/10/2003
First Named Inventor	D'Amato
Group Art. Unit	Unassigned
Examiner Name	Unassigned

Attorney Docket Number 05213-0924 (43170-287649)

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SW	178	Author: SEEGERS et al.  Publ: <u>Joint MCI-1st Symposium. Third 1st International Symposium. Biology and Therapy of Breast Cancer</u>	Title: Cyclic-AMP and Cyclic-GMP Production in MCF-7 Cells Exposed to Estradiol-17 Beta, Catecholestrogens and Methoxy-Estrogens in MCF-7 Cells (Meeting Abstract only)	Vol/Iss:	Pages: Date: 09/25/89
	179	Author: SEEGERS, J.C. et al.  Publ: <u>Journal of Steroid Biochemistry</u>	Title: The Cytotoxic Effects of Estradiol-17 $\beta$ Catecholestadiols and Methoxyestadiols on Dividing MCF-7 and HeLa Cells	Vol/Iss: 32 (6)	Pages: 797-809 Date: 06/1989
	180	Author: SHARP et al.  Publ: <u>Carcinogenesis</u>	Title: Diethylstilboestrol: the Binding and Effects of Diethylstilboestrol upon the Polymerisation and Depolymerisation of Purified Microtubule Protein <i>in vitro</i>	Vol/Iss: 6 (6)	Pages: 865-871 Date: 06/1985
	181	Author: SHISHKINA et al.  Publ: <u>Khim.-Farm. Zh.</u>	Title: Synthesis and properties of condensed heterocyclic derivatives of estra-4, 9-dien-17. $\beta$ -ol-3-one (Abstract only)	Vol/Iss: 8 (1)	Pages: 7-11 Date: 1974
	182	Author: SIDKY et al.  Publ: <u>Cancer Research</u>	Title: Inhibition of Angiogenesis by Interferons: Effects on Tumor- and Lymphocyte-induced Vascular Responses	Vol/Iss: 47	Pages: 5155-5161 Date: 10/01/87
↓	183	Author: SIRACUSA et al.  Publ: <u>Journal of Embryology and Experimental Morphology</u>	Title: The Effect of Microtubule- and Microfilament-disrupting Drugs on Preimplantation Mouse Embryos (abstract Only)	Vol/Iss: 60	Pages: 71-82 Date: 12/1980
SW	184	Author: SPICER et al.  Publ: <u>Molecular and Cellular Endocrinology</u>	Title: Catecholestrogens Inhibit Proliferation and DNA Synthesis of Porcine Granulosa Cells in Vitro: Comparison with Estradiol, Sodihydrotestosterone, Gonadotropins and Catecholamines (Chemical Abstracts Doc. No: 111:50609, 1989)	Vol/Iss: 64	Pages: 119-126 Date: 1989

Examiner Signature	Sunita Waliwala	Date Considered	7/7/04
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				First Named Inventor	D'Amato
				Group Art Unit	Unassigned
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SW	178	Author: SEEGERS et al.  Publ: <u>Joint MCI-1st Symposium, Third 1st International Symposium, Biology and Therapy of Breast Cancer</u>	Title: Cyclic-AMP and Cyclic-GMP Production in MCF-7 Cells Exposed to Estradiol-17 Beta, Catecholestrogens and Methoxy-Estrogens in MCF-7 Cells (Meeting Abstract only)	Vol/Iss:	Pages: Date: 09/25/89
	179	Author: SEEGERS, J.C. et al.  Publ: <u>Journal of Steroid Biochemistry</u>	Title: The Cytotoxic Effects of Estradiol-17 $\beta$ Catecholestadiols and Methoxyestadiols on Dividing MCF-7 and HeLa Cells	Vol/Iss: 32 (6)	Pages: 797-809 Date: 06/1989
	180	Author: SHARP et al.  Publ: <u>Carcinogenesis</u>	Title: Diethylstilboestrol: the Binding and Effects of Diethylstilboestrol upon the Polymerisation and Depolymerisation of Purified Microtubule Protein <i>in vitro</i>	Vol/Iss: 6 (6)	Pages: 865-871 Date: 06/1985
	181	Author: SHISHKINA et al.  Publ: <u>Khim.-Farm. Zh.</u>	Title: Synthesis and properties of condensed heterocyclic derivatives of estra-4, 9-dien-17. $\beta$ -ol-3-one (Abstract only)	Vol/Iss: 8 (1)	Pages: 7-11 Date: 1974
	182	Author: SIDKY et al.  Publ: <u>Cancer Research</u>	Title: Inhibition of Angiogenesis by Interferons: Effects on Tumor- and Lymphocyte-induced Vascular Responses	Vol/Iss: 47	Pages: 5155-5161 Date: 10/01/87
↓	183	Author: SIRACUSA et al.  Publ: <u>Journal of Embryology and Experimental Morphology</u>	Title: The Effect of Microtubule- and Microfilament-disrupting Drugs on Preimplantation Mouse Embryos (abstract Only)	Vol/Iss: 60	Pages: 71-82 Date: 12/1980
Sp	184	Author: SPICER et al.  Publ: <u>Molecular and Cellular Endocrinology</u>	Title: Catecholestrogens Inhibit Proliferation and DNA Synthesis of Porcine Granulosa Cells in Vitro: Comparison with Estradiol, 5 $\alpha$ -dihydrotestosterone, Gonadotropins and Catecholamines (Chemical Abstracts Doc. No: 111:50609, 1989)	Vol/Iss: 64	Pages: 119-126 Date: 1989

Examiner Signature	Sukal Waliyuddin	Date Considered	7/7/04
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				First Named Inventor	D'Amato
				Group Art Unit	Unassigned
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(SW)	185	Author: SPYRIOUNIS et al.  Publ: <u>Arch. Pharm.</u>	Title: Copper (II) complex of an estradiol derivative with potent antiinflammatory properties (Abstract only)	Vol/Iss: 324 (9)	Pages: 533-536	Date: 1991
	186	Author: SRIVASTAVA, A. et al.  Publ: <u>American Journal of Pathology</u>	Title: The Prognostic Significance of Tumor Vascularity in Intermediate-Thickness (0.76-4.0 mm Thick) Skin Melanoma	Vol/Iss: 133 (2)	Pages: 419-424	Date: 11/1988
	187	Author: STARKOV et al.  Publ: <u>Zhurnal Prikladnoi Khimii</u>	Title: Mono- and Dialkylation of Guaiacol by Olefins on KU-2 Cation Exchanger (Abstract only)	Vol/Iss: 41 (3)	Pages: 688-690	Date: 1968
	188	Author: STERNLICHT et al.  Publ: <u>The Journal of Biological Chemistry</u>	Title: Colchicine Inhibition of Microtubule Assembly via Copolymer Formation	Vol/Iss: 254 (20)	Pages: 10540-10550	Date: 10/25/79
	189	Author: SUN et al.  Publ: <u>Journal of Medicinal Chemistry</u>	Title: Antitumor Agents. 139. Synthesis and Biological Evaluation of Thiocolchicine Analogs 5,6-Dihydro-6(S)-(acyloxy)-and 5,6-Dihydro-6(S)-[(aroxyloxy)methyl]-1,2,3-trimethoxy-9-(methylthio)-8H-cyclohepta[naphthalen-8-ones as Novel Cytotoxic and Antimitotic Agents	Vol/Iss: 36 (5)	Pages: 544-551	Date: 03/05/93
↓	190	Author: SUNAGAWA et al.  Publ: <u>Chemical &amp; Pharmaceutical Bulletin</u>	Title: Synthesis of Colchicine; Synthesis of <i>d</i> -Demethoxydeoxy-hexahydrocolchicine	Vol/Iss: 9	Pages: 81-83	Date: 1961
(SW)	191	Author: TAYLOR, S. et al.  Publ: <u>Nature</u>	Title: Protamine is an Inhibitor of Angiogenesis	Vol/Iss: 297	Pages: 307-312	Date: 05/27/82

Examiner Signature	<i>Karl Witherspoon</i>	Date Considered	7/7/04
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<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached.

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Substitute for Form 1449/A/PTO				Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)				Application No.	10/617,150
Sheet	25	of	27	Filing Date	07/10/2003
				First Named Inventor	D'Amato
				Group Art Unit	Unassigned
				Examiner Name	Unassigned
				Attorney Docket Number	05213-0924 (43170-287649)

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T <sup>2</sup>
<i>SW</i>	192	Author: TERANISHI, M. et al.	Title: Methylation of Catechol Estrogen with Diazomethane		
		Publ: <u>Chemical and Pharmaceutical Bulletin</u>			
			Vol/Iss: 31 (9)	Pages: 3309-3314	Date: 09/1983
	193	Author: TSUTSUI et al.	Title: Comparison of Human Versus Syrian Hamster Cells in Culture for Induction of Mitotic Inhibition, Binucleation and Multinucleation, Following Treatment with Four Aneuploidogens		
		Publ: <u>Toxicology in Vitro</u>			
			Vol/Iss: 4 (1)	Pages: 75-84	Date: 1990
	194	Author: UTNE et al.	Title: The Synthesis of 2- and 4-Fluoroestradiol		
		Publ: <u>Journal of Organic Chemistry</u>			
			Vol/Iss: 33 (6)	Pages: 2469-2473	Date: 06/1968
	195	Author: VAN GEERESTEIN et al.	Title: Structure of 11.beta.-(4-(dimethylamino)phenyl)-17.beta.-hydroxy-17. alpha.-(2-propenyl) estra-4,9-dien-3-one (Identifier only)		
		Publ: <u>Acta Crystallogr., Sect. C: Cryst. Struct. Commun.</u>			
			Vol/Iss: C43 (2)	Pages: 319-322	Date: 1987
	196	Author: VAN TAMELEN et al.	Title: The Synthesis of Colchicine		
		Publ: <u>Tetrahedron</u>			
			Vol/Iss: 14 (1/2)	Pages: 8-34	Date: 09/1961
	197	Author: VICENTE et al.	Title: In Vitro Activity of Thalidomide Against Mycobacterium avium Complex		
		Publ: <u>Archives of Internal Medicine</u>			
			Vol/Iss: 153 (4)	Pages: 534	Date: 02/22/93
<i>SW</i>	198	Author: WANG et al.	Title: Photoaffinity Labeling of Human Placental Estradiol 17.beta.-dehydrogenase with 2-And 4-azidoestrone, 2- and 4-azidoestradiol (abstract Only)		
		Publ: <u>Shengwu Huaxue Zazhi</u>			
			Vol/Iss: 8 (6)	Pages: 715-718	Date: 1992

Examiner Signature	<i>Mark Witherspoon</i>	Date Considered	<i>7/7/04</i>
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<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached.

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				Filing Date	07/10/2003
				First Named Inventor	D'Amato
				Group Art Unit	Unassigned
				Examiner Name	Unassigned
Sheet	26	of	27	Attorney Docket Number	05213-0924 (43170-287649)

## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

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(SW)	199	Author: WEIDNER, N. et al.  Publ: <u>Journal of the National Cancer Institute</u>	Title: Tumor angiogenesis: A New Significant and Independent Prognostic Indicator in Early-Stage Breast Carcinoma	Vol/Iss: 84	Pages: 1875-1887 Date: 12/16/92
	200	Author: WEIDNER, N. et al.  Publ: <u>American Journal of Pathology</u>	Title: Tumor Angiogenesis Correlates with Metastasis in Invasive Prostate Carcinoma	Vol/Iss: 143 (2)	Pages: 401-409 Date: 08/1993
	201	Author: WEIDNER, N. et al.  Publ: <u>New England Journal of Medicine</u>	Title: Tumor Angiogenesis and Metastasis-Correlation in Invasive Breast Carcinoma	Vol/Iss: 324 (1)	Pages: 1-8 Date: 01/03/91
	202	Author: WELSCH et al.  Publ: <u>Experientia</u>	Title: Staphylostatic Activity of Some New Diphenols, Naphthols, and Chalcones (Abstract only)	Vol/Iss: 11	Pages: 350-351 Date: 1955
	203	Author: WHEELER et al.  Publ: <u>Mutation Research</u>	Title: Mitotic Inhibition and Aneuploidy Induction by Naturally Occurring and Synthetic Estrogens in Chinese Hamster Cells in Vitro	Vol/Iss: 171	Pages: 31-41 Date: 07/1986
	204	Author: WHEELER et al.  Publ: <u>Cell Motility and the Cytoskeleton</u>	Title: Mitotic Inhibition and Chromosome Displacement Induced by Estradiol in Chinese Hamster Cells (Chemical Abstracts Doc. No: 105:54822, 1986)	Vol/Iss: 7 (3)	Pages: 235-247 Date: 1987
(SW)	205	Author: WHITE et al.  Publ: <u>The New England Journal of Medicine</u>	Title: Treatment of Pulmonary Hemangiomatosis with Recombinant Interferon Alfa-2a	Vol/Iss: 32 (18)	Pages: 1197-1200 Date: 05/04/89

Examiner Signature	<i>Karl Wohlgemuth</i>	Date Considered	7/7/04
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**INFORMATION DISCLOSURE  
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Sheet

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Complete if Known

Application No. 10/617,150

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First Named Inventor D'Amato

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(S)	206	Author: YASUDA et al. Title: Accelerated differentiation in seminiferous tubules of fetal mice prenatally exposed to ethinyl estradiol (Abstract only) Publ: Anat. Embryol. (Berl.) Vol/Iss: 174 (3) Pages: 289-299 Date: 1986	

Examiner Signature	<i>Stuart Witherup</i>	Date Considered	7/7/04
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<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached.